

Special Issue

Coastal Hazards Assessment in Cold Regions

Message from the Guest Editors

Studies on coastal hazards and risks around the world are generally focused on systems not affected by sea ice or other cryogenic processes. Under a changing climate where temperate to high-latitude seas suffer from sea ice and ice foot shrinking, protection against wave energy is weakened and higher risk can be expected during storms. In cold regions, the effects of coastal permafrost thawing, frost processes, storm surge, sea level rise, tsunamis, sea ice, and ice foot needs to be considered in coastal hazards assessments for effective risk reduction and adaptation strategies. In this Special Issue entitled “Coastal Hazards Assessment in Cold Regions” we invite authors to submit papers that address all hazards on coasts seasonally affected by sea ice dynamics, frost action, and other processes in the cryosphere. We also welcome papers focused on risk assessment for coastal communities and infrastructures, as well as adaptation strategies to reduce their vulnerability to coastal hazards in cold regions.

Guest Editors

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Deadline for manuscript submissions

closed (10 September 2021)



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About the Journal

Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (JMSE, ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
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